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## **8. CONCLUSIONS**

### **8.1 FISH SPECIES**

It is inferred from this analysis, and Tables 6-17 to 6-19, and the wide variety of likely and potentially adverse effects noted therein, that the Willamette Project is "Likely to Adversely Affect" listed chinook salmon, steelhead trout, and bull trout above Willamette Falls. The bank protection works associated with the Willamette Project are "Likely to Adversely Affect" Oregon chub (other aspects of the Willamette Project have already been addressed in two Biological Opinions dated August 21, 1996, and September 26, 1997). Although not listed, similarities in life history and habitat requirements, and other attributes of cutthroat trout with the currently listed species suggests that the Willamette Project would be determined to be "Likely to Adversely Affect" the upper Willamette cutthroat trout DPS in the event that they become listed under the ESA in the future. The Willamette Project is "Not Likely to Adversely Affect" listed species below Willamette Falls.

### **8.2 WILDLIFE AND PLANT SPECIES**

Of the fourteen listed and proposed endangered and threatened wildlife and plant species, the Willamette Project is "Likely to Adversely Affect" only the plant species *Howellia aquatilis*. The Willamette Project has no effect on the gray wolf, the marbled murrelet, and the golden paintbrush, and is "Not Likely to Adversely Affect" the remaining species of concern.